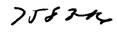## ABSTRACT OF THE DISCLOSURE

Even if a situation such that data exceeding a capacity of a memory is outputted occurs, image data which is not deteriorated is generated without expanding the memory capacity. Second data which can be outputted from an image output apparatus is generated from first data which is inputted from the host side. Third or fourth data is generated by performing a compression to the second data by a first or second data compressor 113 or 115. System information which is obtained from the host side is analyzed. The third or fourth data is outputted to the host side. Fifth or sixth data is generated by performing a decompression by a first or second data decompressor 114 or 116. A data controller 108 outputs the fifth or sixth data to the image output apparatus.